

18 36 12 77 126

> 39 12 77 138

152 3 Pc. 13/4:1

158 3 Pc. 11/2:1

18 39 12 87 126

18 42 12

18 45 12 87

72

146 3 Pc.

152 3 Pc.

138 158 3 Pc. 1/16:1

132

87

1 1/3:1

11/4:1

77 52

57

1. The diameter of the end section of Design B shall match the inside diameter of the concrete pipe.

2. Skirt sections shall be made in one piece for round pipe with a diameter of 12" to 24" inclusive and for pipe arches with a rise of 13" to 20" inclusive. Skirt sections for larger sizes of pipes may be multiple pieces in conformance with the tabulated

3. Design A end sections for 42" thru 84" diameter and 49" x 33" thru 83" x 57" arch with annular corrugations and all helically corrugated pipe arch include one foot of pipe length as a connector section. The connector section shall be attached to the end section by welds, rivets or bolts and shall be the same thickness as the end section.

4. Design C may be used in lieu of Design A for all metal pipe sizes except as noted. Coupling bands may be any acceptable type for the pipe specified.

5. Multiple panel skirts shall have lap seams which are to be tightly joined by $\frac{3}{6}$ galvanized rivets or bolts. 6. For 60" thru 84" diameter pipe and 77" \times 52" and 83" \times 57" pipe arch, the reinforced end shall

of the following sizes: 60" thru 72" diameter pipe (2" x 2" x 4" galvanized angle)

77" x 52" and 83" x 57" pipe arch 78" and 84" diameter pipe (2" x 2" x $\frac{1}{4}$ " galvanized angle)

The above galvanized angles shall be attached by aalvanized nuts and bolts.

7. Angle reinforcement will be placed under the center panel seams on the 77" x 52" and 83" x 57" pipe arch

8. As an alternative to the connector lug and threaded rod used on 12" thru 24" culvert pipe, the attachment may be made with a 1" wide strap, 16 gage galvanized steel fastened with a ½" diameter, 6" long galvanized

FLARED END SECTIONS